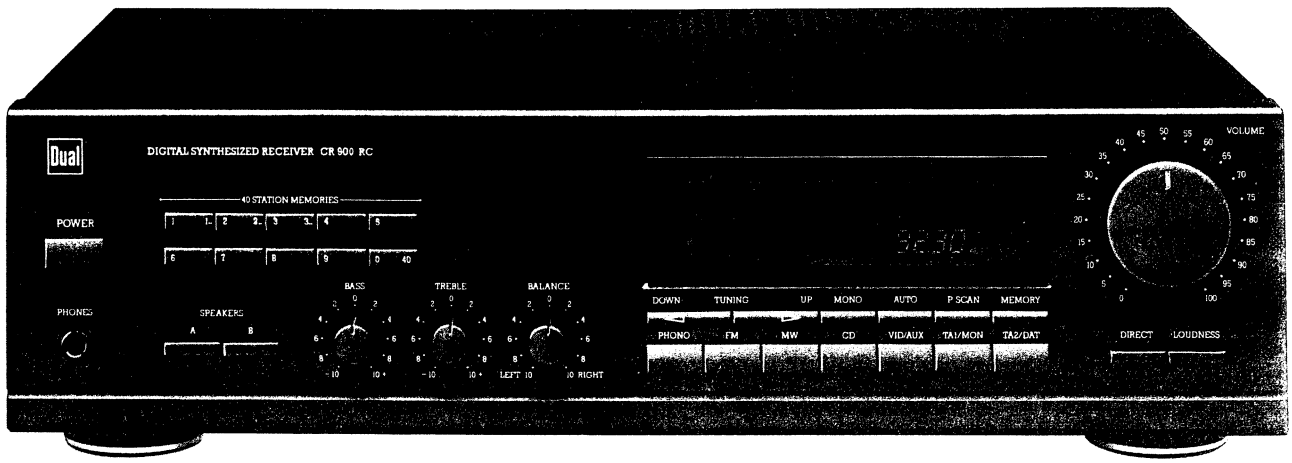
Service-Anleitung
Service Manual
Instructions de Service

CR 900 RC



Technische Daten (typische Werte)	**Specifications** (typical values)	**Caractéristiques techniques** (valeurs types)	**Dati tecnici** (valori tipici)	
Tunerteil	**Tuner section**	**Partie Tuner**	**Sezione sintonizzatore**	**Dual CR 900**
Empfangsbereiche FM (UKW) AM (MW)	**Reception wavebands** FM (VHF) AM (MW)	**Games de fréquences** FM (OC) AM (OM)	**Campi di ricezione** FM (OUC) AM (onde medie)	 87,5– 108 MHz 522 –1611 kHz
Empfindlichkeit (an 75 Ω) FM – Mono (26 dB) FM – Stereo (46 dB)	**Sensitivity** (at 75 Ω) FM – mono (26 dB) FM – stereo (46 dB)	**Sensibilité** (à 75 ohms) FM – Mono (26 dB) FM – Stéréo (46 dB)	**Sensibilità** (su 75 ohm) FM – mono (26 dB) FM – stereo (46 dB)	 1,1 µV 30 µV
Trennschärfe FM stat./dyn.	**FM selectivity** stat./dyn.	**Sélectivité** FM stat./dyn.	**Selettività** FM stat./din.	80/70 dB
Geräuschspannungsabstand	**Signal/noise ratio**	**Rapport signal/bruit**	**Rapporto segnale disturbo**	70 dB
Verstärkerteil	**Amplifier section**	**Partie amplificateur**	**Sezione amplificatore**	
Ausgangsleistung Sinusleistung (8 Ω/4 Ω DIN 1 kHz) Musikleistung (8 Ω/4 Ω)	**Power output** RMS continuous power output (8 Ω/4 Ω DIN 1 kHz) music power (8 Ω/4 Ω)	**Puissance de sortie** Puissance sinus (8 ohms DIN 1 kHz) Puissance musique (8/4 ohms)	**Potenza d'uscita** capacità sinusoidale (8 ohm DIN 1 kHz) Potenza musicale (8/4 ohm)	 2×60 W/2×75 W 2×80 W/2×100 W
Leistungsbandbreite	**Frequency response**	**Bande de puissance**	**Banda di potenza**	10–60 000 Hz
Klirrfaktor bei 2/3 Leistung (1 kHz)	**Harmonic distortion** at 2/3 power (1 kHz)	**Distorsion** à 2/3 de puissance (1 kHz)	**Distorsione armonica** a 2/3 del rendimento (1 kHz)	< 0,01 %
Fremdspannungsabstand bezogen auf Nennleistung Phono-Eingang Hochpegel-Eingänge (CD, VIDEO, TAPE)	**Signal/noise ratio** referred to rated power output Phono input High-level inputs (CD, VIDEO, TAPE)	**Rapport non pondéré son/bruit** par rapport à la puissance nominale Entrée Phono Entrées haut niveau (CD, VIDEO, TAPE)	**Selettività** riferita alla potenza nominale ingresso phono ingressi ad alte impedenze (CD, VIDEO, TAPE)	 70 dB 90 dB
Übersprechdämpfung	**Crosstalk attenuation**	**Diaphonie**	**Diafonia**	60 dB
Eingänge CD, VIDEO, TAPE PHONO	**Inputs** CD, VIDEO, TAPE PHONO	**Entrées** CD, VIDEO, TAPE PHONO	**Ingressi** CD, VIDEO, TAPE PHONO	 200 mV/47 kΩ 2,5 mV/47 kΩ
Ausgänge Druckklemmen für zwei Lautsprecherpaare 1-Koaxialbuchse ¼ inch für Kopfhörer 1-Line-Ausgang an Tape	**Outputs** Clamping terminals for two speaker pairs 1 coaxial jack, ¼ inch, for headphones 1-line output to tape	**Sorties** Bornes à pression pour deux paires de haut-parleurs 1 prise coaxiale ¼" pour écouteurs 1 sortie Line sur Tape	**Uscite** morsetti di pressione per due coppie di diffusori 1 presa coassiale ¼" per cuffia 1 uscita line su Tape	 8–16 Ohm
Leistungsaufnahme (maximal)	**Power input** (maximum)	**Consommation de courant** (maximum)	**Potenza assorbita** (massimo)	 300 Watt
Netzspannung Model Europa Model USA/Kanada	**Mains voltage** European model US/Canadian model	**Voltage secteur** Modèle Europe Modèle USA/Canada	**Tensione di rete** modello Europa modello Stati Uniti/Canada	 230 V/50 Hz 115 V/60 Hz
Maße (Breite × Höhe × Tiefe)	**Dimensions** (width × height × depth)	**Dimensions** (largeur × hauteur × profondeur)	**Dimensioni** (larghezza × altezza × profondità)	440 × 122 × 280 mm

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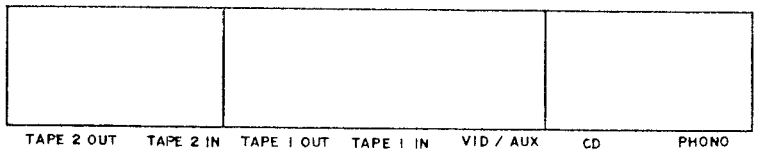
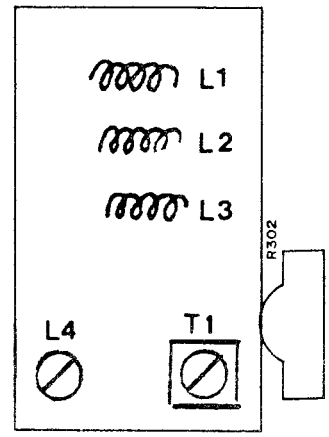
Abgleichanleitung CR 900 RC

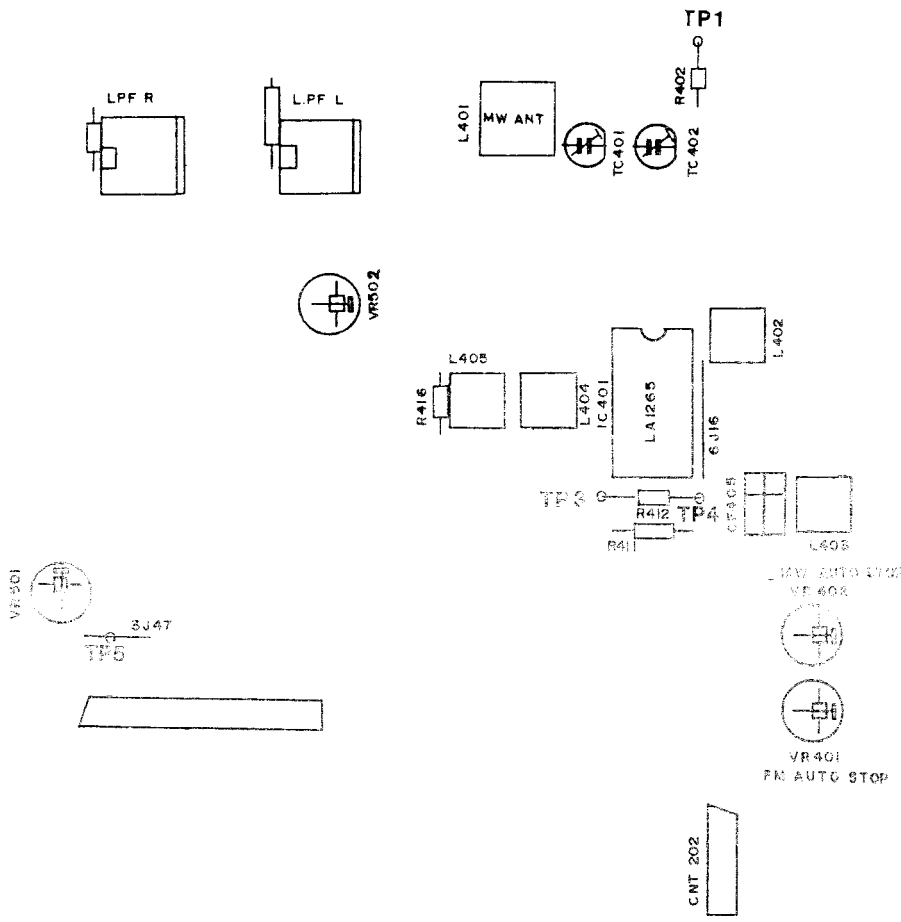
Signalquelle	Einstellung Gerät	Einstellung Signalquelle	Meßgerät-Anschluß	Abgleichposition	Abgleich, Bemerkung
1) FM-Oszillator					
	87,5 MHz		DC-Voltmeter an TP 1 (R 402)	L 4	8,0 V DC ± 0,2 V
	108 MHz			Kontrolle	ca. 1,6 V DC
2) FM-ZF, Vorkreis					
FM-Meßsender an 75 Ohm Antenneneingang	Senderfreie Frequenz ca. 98 MHz	0–1 mV, Hub ± 40 kHz, Mod. 1 kHz ca. 98 MHz auf Deckung	Klirrfaktormeßbrücke, Oszilloskop an NF-Ausgang	T1	NF-Maximum
				L 404	
	ca. 90 MHz	ca. 90 MHz auf Deckung		L 405	NF und Klirrfaktor Minimum
				Luftspulen L 1, L 2, L 3	Maximum
3) FM-ZF (Feinabgleich)					
Antenne an 75 Ohm Antenneneingang	Starken FM-Sender auf seiner Sollfrequenz empfangen		DC-Voltmeter an TP 3–TP 4 (über R 412)	L 405	DC-Max. und DC-Min. ermitteln
				L 405	Spannungsmitte einstellen
				L 404	0 V DC ± 10 mV
				Abgleich wiederholen	
4) Pilotfrequenz 76 kHz, Kanaltrennung					
FM-Meßsender an 75 Ohm Antenneneingang	Senderfreie Frequenz ca. 98 MHz Monotaste: Aus	ca. 98 MHz auf Deckung Hub ± 40 kHz, Mod. 1 kHz 1–2 mV, ohne Pilotton	Frequenzzähler an TP 5 (Brücke 3 J 47)	VR 501	76 kHz ± 50 Hz
		Mit 19 kHz Pilot	NF-Voltmeter, Oszilloskop an NF-Ausgang	VR 502	Maximale Kanaltrennung
5) Unterdrückung Pilotton (19 kHz)					
FM-Meßsender an 75 Ohm Antenneneingang	Senderfreie Frequenz ca. 98 MHz	ca. 98 MHz auf Deckung 1–2 mV 19 kHz Pilot ein	NF-Voltmeter, Oszilloskop an NF-Ausgang	LPF L	Minimum
				LPF R	
6) FM-Suchlaufschwelle					
FM-Meßsender an 75 Ohm Antenneneingang	Senderfreie Frequenz ca. 98 MHz	ca. 98 MHz auf Deckung Hub. ± 40 kHz, Mod. 1 kHz, 10 µV	Kontrolle am Display	VR 401	▶ ◀ Anzeige muß aufleuchten
7) AM-Oszillator					
	MW 522 kHz		DC-Voltmeter an TP 1 (R 402)	L 402	1,6 V DC ± 0,1 V
	MW 1611 kHz			TC 402	8,4 V DC ± 0,4 V
				Abgleich wiederholen	
8) AM-ZF, Vorkreis					
AM-Meßsender an AM-Antennen-eingang	999 kHz	10 µV–1mV, 1 kHz Mod. 30 % 999 kHz	NF-Voltmeter, Oszilloskop an NF-Ausgang	L 403	Maximum
	603 kHz	603 kHz		L 401	
	1404 kHz	1404 kHz		TC 401	
9) AM-Suchlaufschwelle					
AM-Meßsender an AM-Antennen-eingang	999 kHz	100 µV, 1 kHz Mod. 30 % 999 kHz	Kontrolle am Display	VR 402	▶ ◀ Anzeige muß aufleuchten

Tuning Instructions for CR 900 RC

Signal source	Equipment setting	Signal source setting	Connection of measuring instrument	Item to be tuned	Tuning, Remarks
1) FM oscillator					
	87.5 MHz		DC voltmeter to TP 1 (R 402)	L 4	8.0 V DC ± 0.2 V
	108 MHz			Check	approx. 1.6 V DC
2) FM IF input circuit					
FM signal generator to 75 ohm antenna input	Frequency without transmitters approx. 98 MHz	0–1 mV, Shift ± 40 kHz, Mod. 1 kHz Tune to approx. 98 MHz	Harmonic detector oscilloscope to AF output	T1	AF maximum
				L 404	
				L 405	AF and harmonic minimum
	approx. 90 MHz	Tune to approx. 90 MHz		aircoils L 1, L 2, L 3	Maximum
3) FM IF (fine tuning)					
Antenna to 75 ohm antenna input	Receive strong FM transmitter at its nominal frequency		DC voltmeter to TP 3–TP 4 (over R 412)	L 405	Determine DC max. and DC min.
				L 405	Adjust power mean
				L 404	0 V DC ± 10 mV
				Repeat tuning	
4) Pilotfrequencies 76 kHz, Channel separation					
FM Signal generator to 75 ohm antenna input	Frequency without transmitters approx. 98 MHz	Tune to approx. 98 MHz Shift ± 40 kHz, Mod. 1 kHz 1–2 mV, without pilot	Frequency counter to TP 5 (bridge 3 J 47)	VR 501	76 kHz ± 50 Hz
	Mono key: OFF	with 19 kHz pilot	AF voltmeter, oscilloscope to AF output	VR 502	Maximum channel separation
5) Suppression of residual pilot frequencies (19 kHz)					
FM signal generator to 75 ohm antenna input	Frequency without transmitters approx. 98 MHz	Tune to approx. 98 MHz, 1–2 mV 19 kHz pilot ON	AF voltmeter, oscilloscope to AF output	LPF (left channel)	Minimum
				LPF (right channel)	
6) FM Search threshold					
FM signal generator to 75 ohm antenna input	Frequency without transmitters approx. 98 MHz	Tune to approx. 98 MHz Shift ± 40 kHz, Mod. 1 kHz, 10 µV	Check the display	VR 401	Signal must light up
7) AM oscillator					
	AM 522 kHz		DC voltmeter to TP 1 (R 402)	L 402	1.6 V DC ± 0.1 V
	AM 1611 kHz			TC 402	8.4 V DC ± 0.4 V
				Repeat tuning	
8) AM IF input circuit					
AM signal generator to AM antenna input	999 kHz	10 µV–1mV, 1 kHz Mod. 30 % 999 kHz	AF voltmeter, oscilloscope to AF output	L 403	Maximum
	603 kHz	603 kHz		L 401	
	1404 kHz	1404 kHz		TC 401	
9) AM Search threshold					
AM signal generator to AM antenna input	999 kHz	100 µV, 1 kHz Mod. 30 % 999 kHz	Check the display	VR 402	Signal must light up


TAPE 2 OUT
TAPE 2 IN
TAPE 1 OUT
TAPE 1 IN
VID / AUX
CD
PHONO


L1
L2
L3
R302
L4
T1


TP1
R402
LPF R
L.PF L
L401
MW ANT
TC401
TC402
VR502
L405
L402
R416
L404
IC401
LA1265
6.116
TP3
R412
TP4
R41
L403
VR501
3J47
TP5
VR403
VR401
FM AUTO STOP
CNT 202

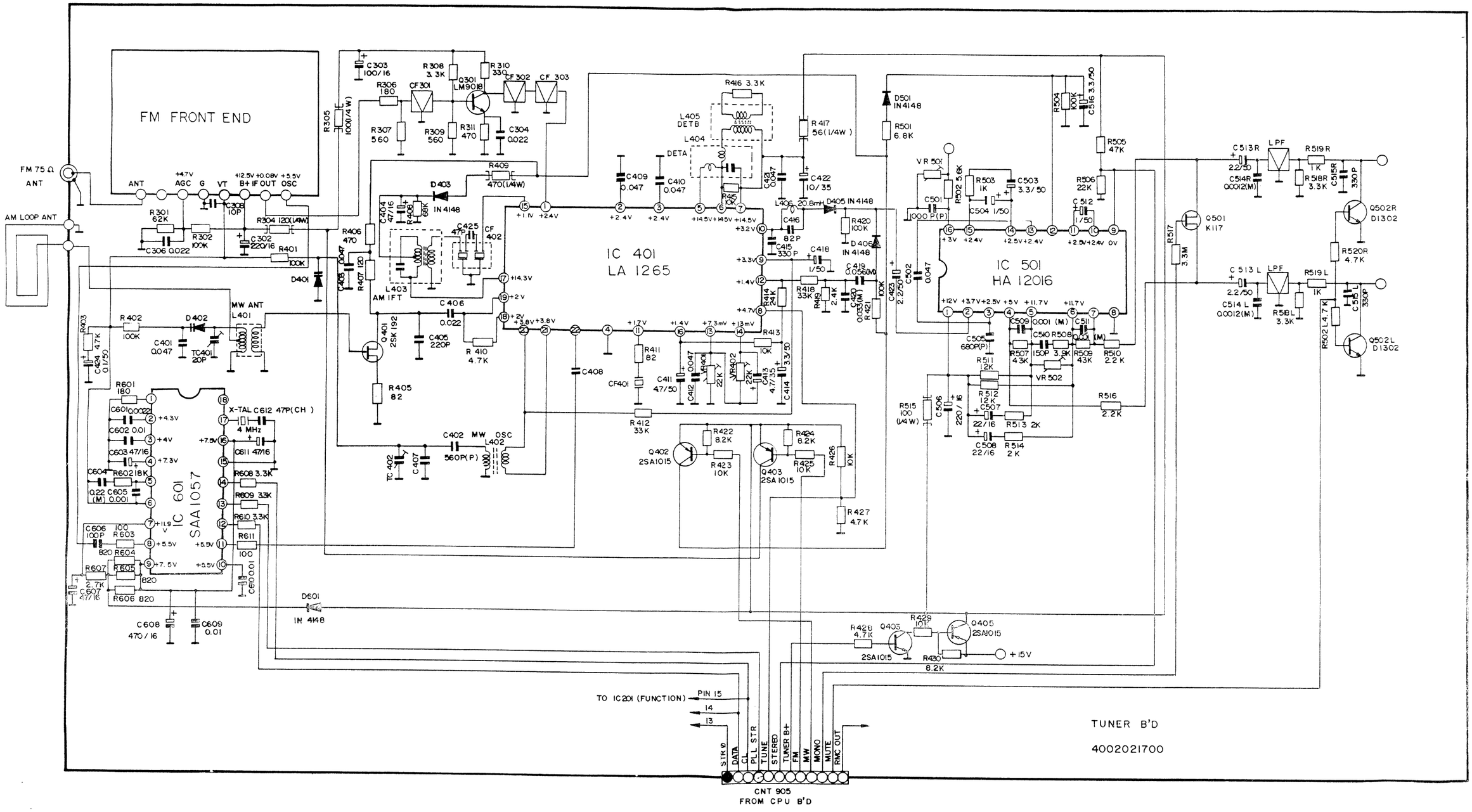
TUNER B'D
4002021700

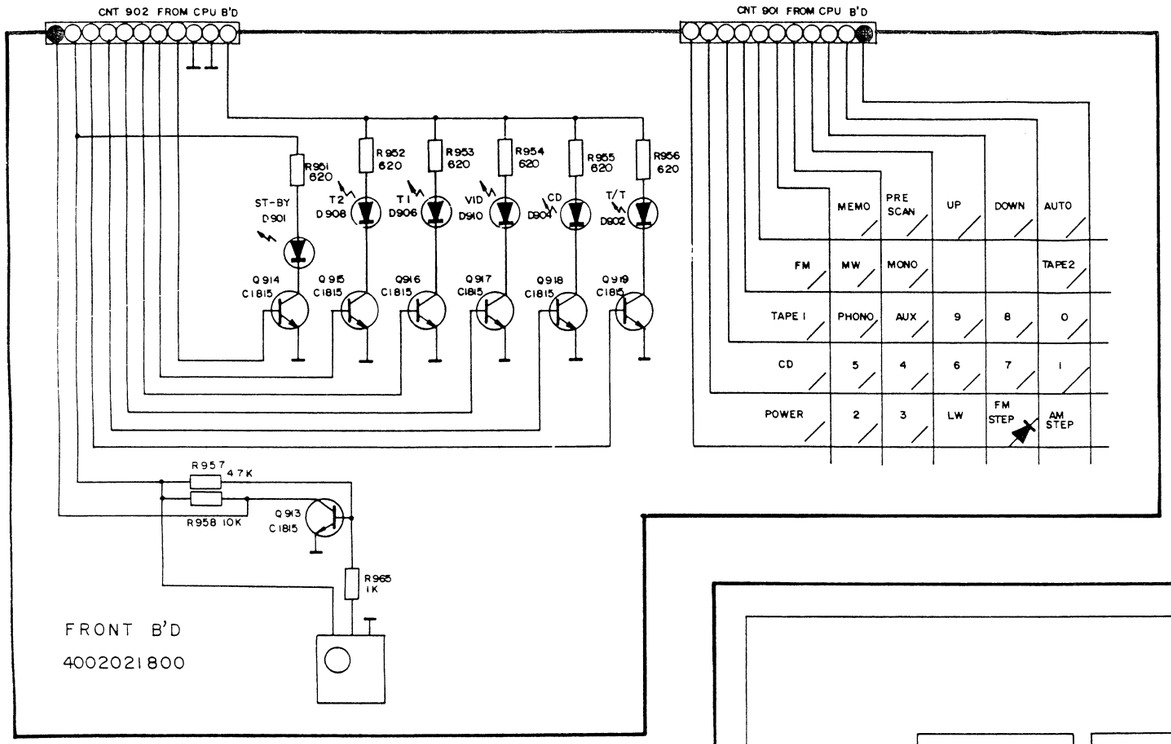
MAIN B'D
4002021600

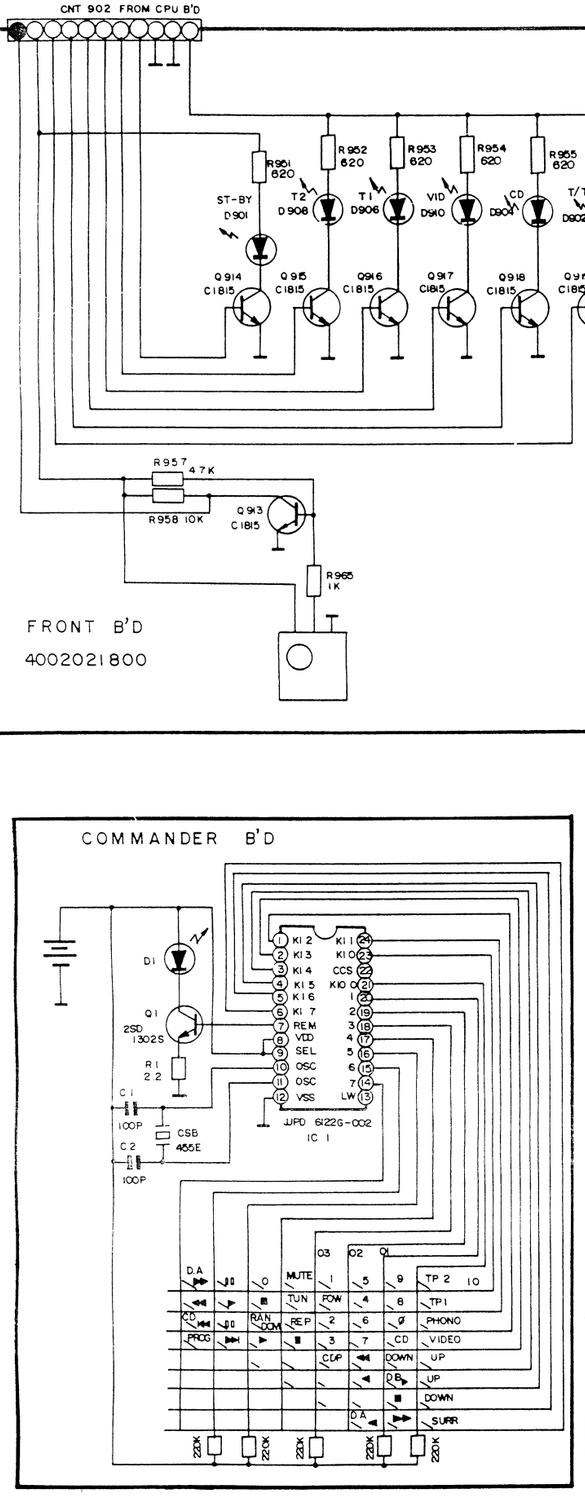
VOLUME B'D
4002021710

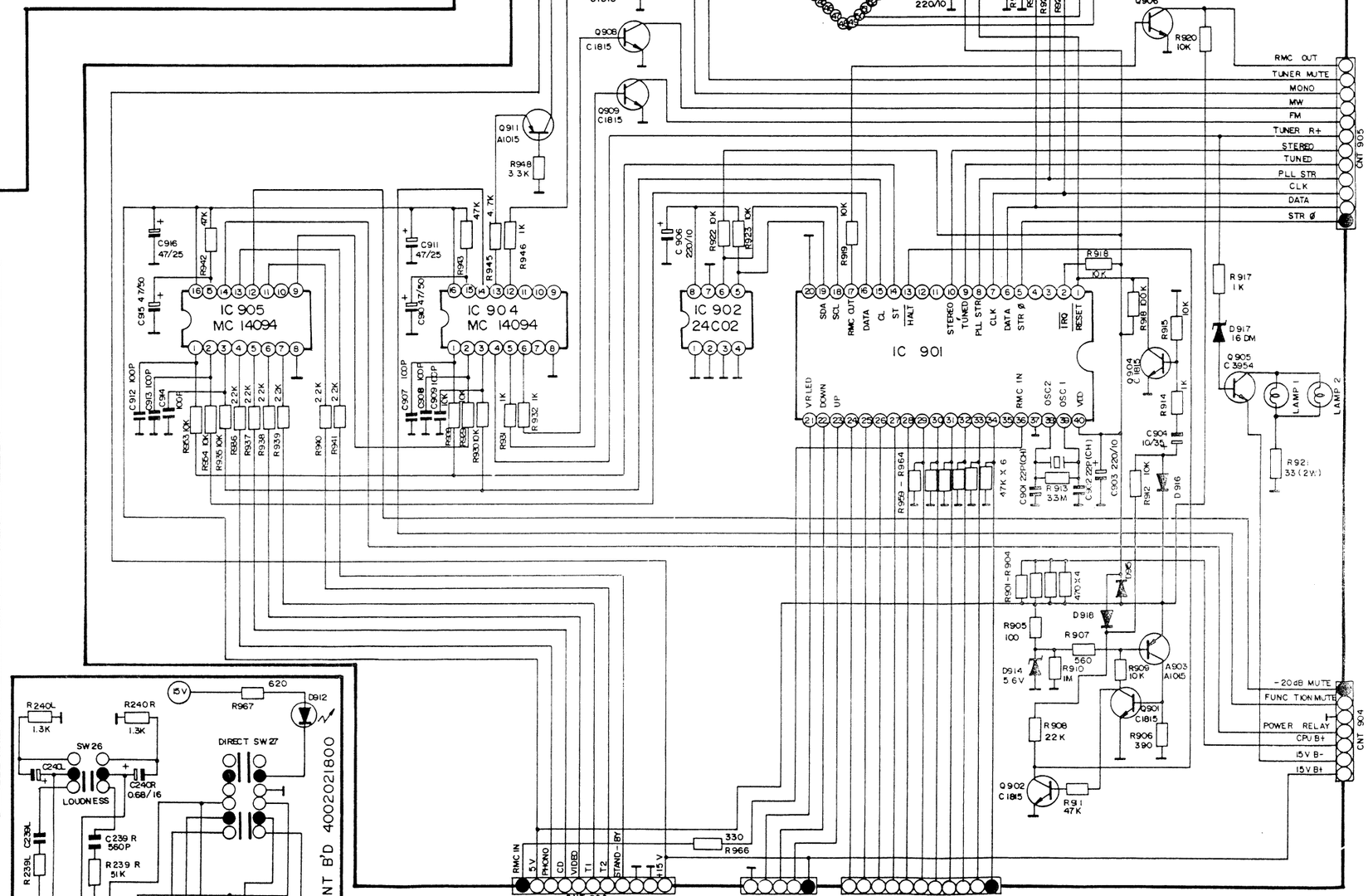
RCA B'D
4002021820

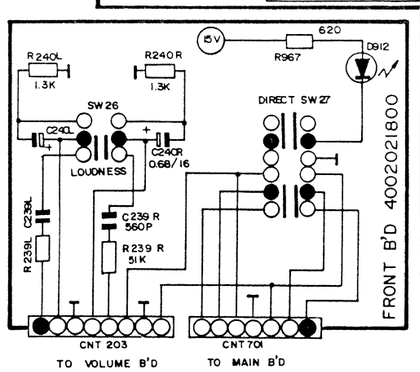
LED B'D
4002021830


FM FRONT END
FM 75 Ω ANT
AM LOOP ANT
ANT
AGC
G
VT
B+ IF OUT
OSC
+4.7V
+12.5V +0.08V +5.5V
IC 401
LA 1265
IC 501
HA 12016
IC 601
SAA1057
L403 AM IFT
L404 DETA
L405 DETB
L401 MW ANT
L402 MW OSC
4 MHz
X-TAL C612 47P(CH)
CF 301
CF 302
CF 303
CF 402
CF401
Q301 LM9018
Q401 2SK 192
Q402 2SA1015
Q403 2SA1015
Q404 2SA1015
Q405 2SA1015
Q501 K117
Q502R D1302
Q502L D1302
D401
D402
D403 IN 4148
D405 IN 4148
D406 IN 4148
D501 IN4148
D601 IN 4148
VR 501
VR 502
VR402
TC401
TC402
TO IC201 (FUNCTION)
PIN 15
14
13
STR Ø
DATA
CL
PLL STR
TUNE
STEREO
TUNER B+
FM
MW
MONO
MUTE
RMC OUT
CNT 905
FROM CPU B'D
+15V
TUNER B'D
4002021700

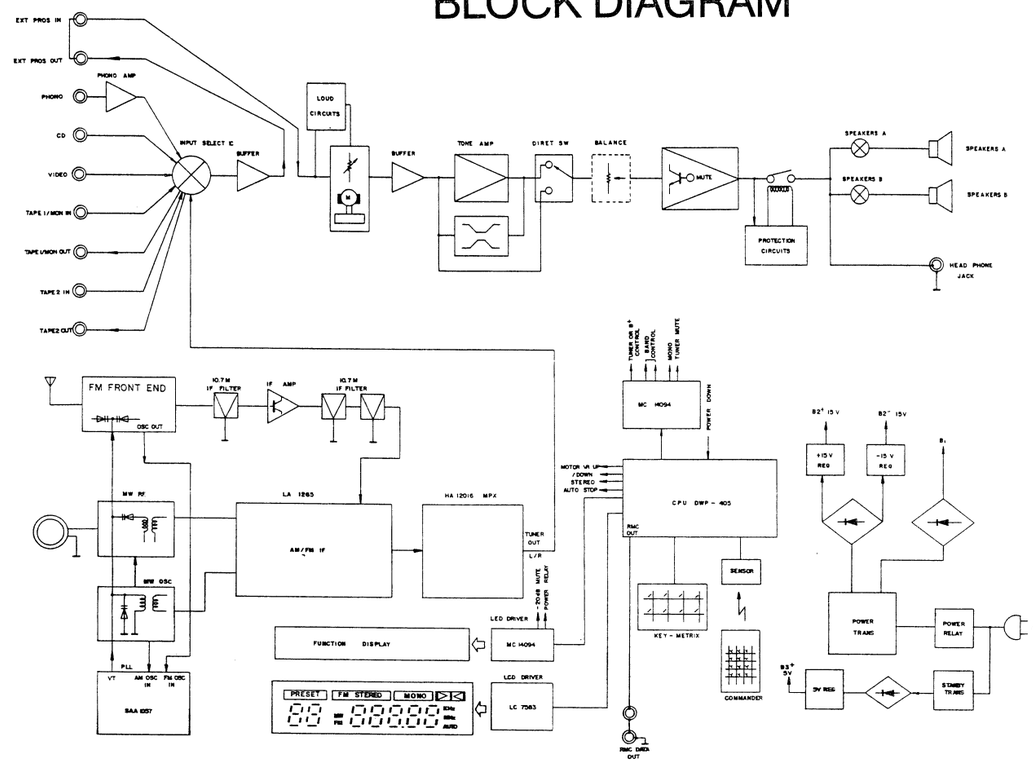

CNT 902 FROM CPU B'D
CNT 901 FROM CPU B'D
R951 620
R952 620
R953 620
R954 620
R955 620
R956 620
ST-BY D901
T2 D908
T1 D906
VID D910
CD D904
T/T D902
Q914 C1815
Q915 C1815
Q916 C1815
Q917 C1815
Q918 C1815
Q919 C1815
MEMO
PRE SCAN
UP
DOWN
AUTO
FM
MW
MONO
TAPE2
TAPE 1
PHONO
AUX
9
8
0
CD
5
4
6
7
1
POWER
2
3
LW
FM STEP
AM STEP
R957 4.7K
R958 10K
Q913 C1815
R965 1K
FRONT B'D
4002021800

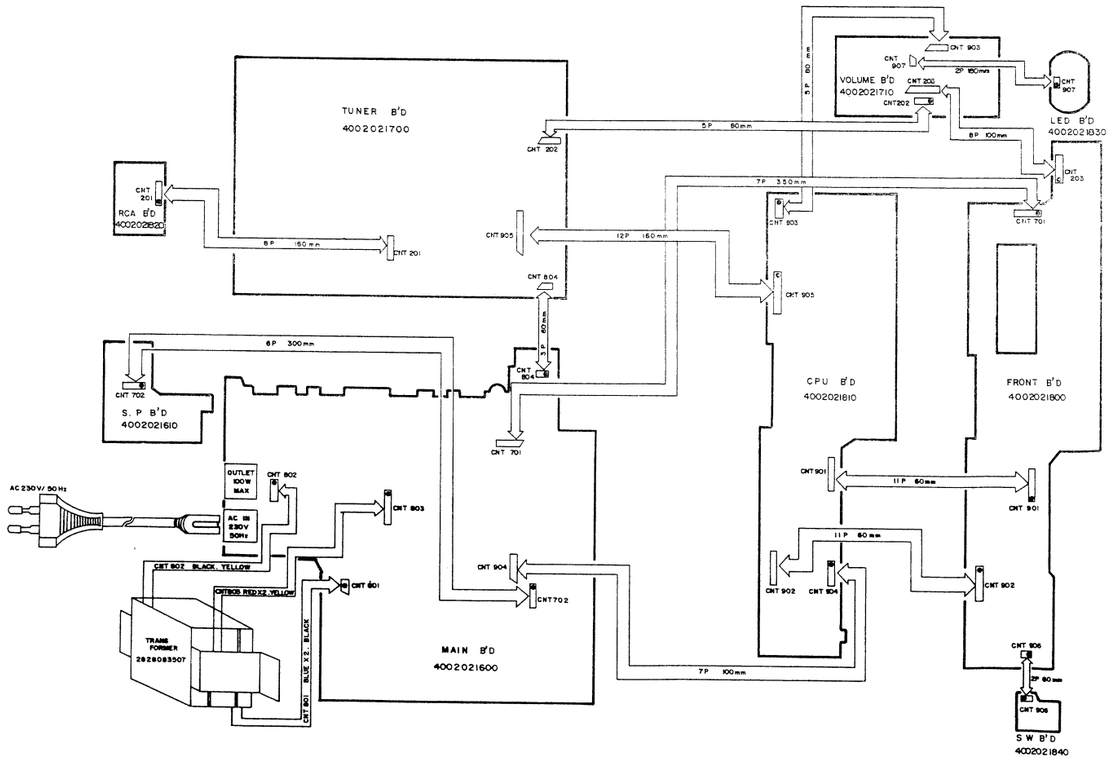

COMMANDER B'D
D1
Q1
2SD 1302S
R1 2.2
C1 100P
CSB 455E
C2 100P
KI 2
KI 3
KI 4
KI 5
KI 6
KI 7
REM
VDD
SEL
OSC
OSC
VSS
KI 1
KI 0
CCS
KIO 0
1
2
3
4
5
6
7
LW
UPD 6122G-002
IC 1
D.A
MUTE
TUN
RAN DOM
REP.
PROG
CDP
DOWN
DB
DA
TP 2
TP1
PHONO
VIDEO
UP
DOWN
SURR
220K


PRESET
FM STEREO
MONO
MW
FM
KHz
MHz
AUTO
IC 903
LC 7583
CPU B'D
4002021810
C905 220/10
C917 330P
R924 3.3K
R925 10K
R926 10K
R927 10K
Q906
R920 10K
Q907 C1815
R950 10K
Q908 C1815
Q909 C1815
Q911 A1015
R948 3.3K
RMC OUT
TUNER MUTE
MONO
MW
FM
TUNER R+
STEREO
TUNED
PLL STR
CLK
DATA
STR Ø
CNT 905
TO TUNER B'D
C916 47/25
R942 47K
C915 47/50
IC 905
MC 14094
C912 100P
C913 100P
C914 100P
R933 10K
R934 10K
R935 10K
R936 2.2K
R937 2.2K
R938 2.2K
R939 2.2K
R940 2.2K
R941 2.2K
C911 47/25
R943 47K
R945 4.7K
R946 1K
C910 47/50
IC 904
MC 14094
C907 100P
C908 100P
C909 100P
R928 10K
R929 10K
R930 10K
R931 1K
R932 1K
C906 220/10
R922 10K
R923 10K
IC 902
24C02
R999 10K
R918 10K
IC 901
SDA
SCL
RMC OUT
DATA
CL
ST
HALT
STEREO
TUNED
PLL STR
CLK
DATA
STR Ø
TRQ
RESET
VR LED
DOWN
UP
RMC IN
OSC2
OSC1
VDD
R959 – R964
47K × 6
C901 22P(CH)
R913 3.3M
C902 22P(CH)
C903 220/10
R915 10K
R914 1K
C904 10/35
R912 10K
D916
D917 16 DM
Q905 C3954
LAMP 1
LAMP 2
R921 33 (2W)
R901 – R904
470 × 4
D915
D918
R905 100
R907 560
D914 5.6V
R910 1M
R909 10K
A903 A1015
Q901 C1815
R906 390
R908 22K
Q902 C1815
R911 47K
-20dB MUTE
FUNC TION MUTE
POWER RELAY
CPU B+
15V B-
15V B+
CNT 904
TO MAIN B'D
R966 330
RMC IN
5V
PHONO
CD
VIDEO
T1
T2
STAND - BY
+15V
CNT 902
TO FRONT B'D
CNT 903
TO VOLUME B'D
CNT 901
TO FRONT B'D


5V
620
R967
D912
R240L 1.3K
R240R 1.3K
SW26
C240L
C240R 0.68/16
LOUDNESS
DIRECT SW27
C239L
R239L
C239R 560P
R239R 51K
FRONT B'D 4002021800
CNT 203
TO VOLUME B'D
CNT 701
TO MAIN B'D

BLOCK DIAGRAM



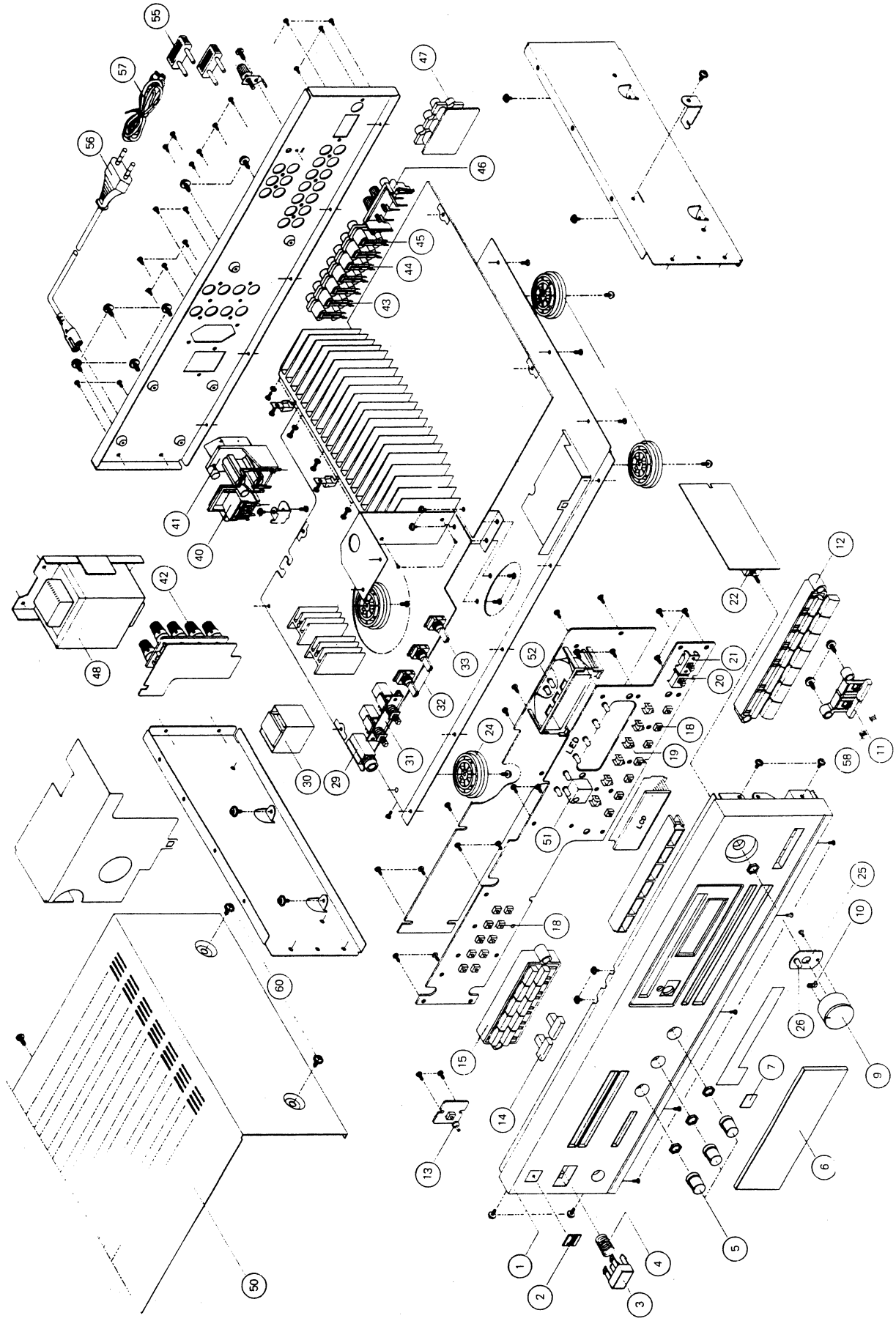


Ersatzteile · Replacement parts · Pièces détachées · CR 900

Pos.	Art.-Nr.	Bezeichnung
1	289 415	Frontblende CR 900
2	283 750	DUAL-Zeichen
3	289 244	Taste Power
4	289 294	Druckfeder
5	289 416	Drehknopf
6	289 417	Fenster
7	287 452	Sensorfenster
9	289 255	Knopf Volume
10	289 256	Leuchtstab Volume
11	289 418	Taste 2-fach
12	289 419	Taste 7-fach
13	289 420	Schalter
14	289 246	Taste
15	289 297	Tasten 10-fach
18	286 901	Schalter
19	289 420	Schalter
20	283 702	Schalter 3-fach
21	287 460	Schalter LOUD
22	289 257	Steller mit Motor
24	289 241	Fuß
25	289 705	Volume-LED-Platte
26	289 458	LED SLR 54 URC (Volume LED)
29	283 705	Kopfhörerbuchse
30	286 909	Trafo STAND BY
31	289 247	Schalter 2-fach
32	287 464	Steller 100 K × 2
33	287 463	Steller 100 K
40	289 359	AC-Buchse
41	289 267	Anschlußbuchse
42	289 269	Lautsprecherklemmen
43	289 437	Cinchbuchse
44	287 468	Cinchbuchse 6-fach
45	287 469	Cinchbuchse
46	287 470	Antennenbuchse
47	289 710	Anschlußbuchse 6-fach
48	289 711	Netztrafo
50	289 492	Gehäuseblech
51	286 908	Sensor KRM 34
52	287 462	Lampe
55	287 471	Stecker
56	279 596	Netzkabel Europa
57	289 305	Hilfsantenne
58	289 421	Druckfeder
59	289 312	AM-Antenne
60	282 135	Schraube 4 × 8
		Grundplatte
C 806	284 774	Elyt-Kond. 4700 UF/50 V
C 807	284 774	Elyt-Kond. 4700 UF/50 V
L 701	286 910	Spule 0,5 UH
D 701	282 063	Diode DZ 12 BM
D 702	223 906	Diode 1 N 4148
bis		
D 704	223 906	Diode 1 N 4148
D 705	287 473	Diode DZ 16
D 706	226 501	Diode 1 N 4002
D 707	223 906	Diode 1 N 4148
D 801	282 061	Diode 1 N 5402
bis		
D 804	282 061	Diode 1 N 5402
D 805	226 501	Diode 1 N 4002
bis		
D 814	226 501	Diode 1 N 4002
IC 701	283 707	IC KIA 75559 P
IC 802	289 491	IC MC 7915 CT
IC 803	288 679	IC GD 7815
RELAIS A	286 906	Relais 24 V
RELAIS B	286 913	Relais 12 V
Q 701	282 077	Transistor KTA 1015 Y
Q 702	282 077	Transistor KTA 1015 Y
Q 703	274 774	Transistor 2 SD 1302 T
Q 704	274 774	Transistor 2 SD 1302 T
Q 705	282 052	Transistor KTC 2240 BL
Q 706	282 077	Transistor KTA 1015 Y
Q 707	282 052	Transistor KTC 2240 BL
Q 708	282 054	Transistor KTA 949 Y
Q 709	282 076	Transistor KTC 1815 Y
Q 710	282 053	Transistor KTC 2229 Y
Q 712	282 094	Transistor KTC 2235 Y
Q 713	287 474	Transistor KTA 965
Q 714	287 475	Transistor KTC 3854
Q 715	287 476	Transistor KTA 1490

Pos.	Art.-Nr.	Bezeichnung
Q 716	286 904	Transistor MPS A 06
Q 717	282 077	Transistor KTA 1015 Y
Q 718	282 076	Transistor KTC 1815 Y
Q 719	286 904	Transistor MPS A 06
bis		
Q 721	286 904	Transistor MPS A 06
		Tuner-Platte
CF 301	284 782	Keramikfilter SFE 10,7
bis		
CF 301	284 782	Keramikfilter SFE 10,7
CF 401	284 784	Keramikfilter BFU 450
CF 402	287 479	Keramikfilter SFZ 450
L 101	286 910	Spule 50 µH
L 401	289 307	Spule AM
L 402	287 482	Spule MW OSC
L 403	289 422	Spule MW
L 404	282 183	Spule
L 405	282 184	Spule
L 406	282 321	Spule
D 201	223 906	Diode 1 N 4148
D 401	287 484	Diode KV 1235
D 402	287 484	Diode KV 1235
D 403	223 906	Diode 1 N 4148
D 405	223 906	Diode 1 N 4148
bis		
D 601	223 906	Diode 1 N 4148
	287 485	FM-Teil
IC 101	282 074	IC NJM 2068 DD
IC 201	286 912	IC LC 7821
IC 202	283 707	IC KIA 75559 P
IC 401	287 486	IC LA 1266
IC 501	264 541	IC HA 12016
IC 601	274 730	IC SAA 1057
Q 301	282 172	Transistor LM 9018 F
Q 401	282 178	Transistor 2 SK 192 GR
Q 402	282 077	Transistor KTA 1015 Y
Q 403	282 076	Transistor KTC 1815 Y
Q 404	282 077	Transistor KTA 1015 Y
Q 405	282 077	Transistor KTA 1015 Y
Q 501	283 208	Transistor 2 SK 117 BL
Q 502	274 774	Transistor 2 SD 1302 T
		UP-Platte
D 910	283 552	Diode DZ 5,6
D 915	223 906	Diode 1 N 4148
D 916	223 906	Diode 1 N 4148
D 917	282 173	Diode DZ 15 B
D 918	223 906	Diode 1 N 4148
IC 901	289 425	IC CPU DWP 405
IC 902	284 789	IC 24 CO 2
IC 903	283 717	IC LC 7583
IC 904	276 039	IC MC 14094 BCP C-MOS
IC 905	276 039	IC MC 14094 BCP C-MOS
LCD	289 423	Display
Q 901	282 076	Transistor KTC 1815 Y
Q 902	282 076	Transistor KTC 1815 Y
Q 903	282 077	Transistor KTA 1015 Y
Q 904	282 076	Transistor KTC 1815 Y
Q 905	282 094	Transistor KTC 2235 Y
Q 906	282 076	Transistor KTC 1815 Y
bis		
Q 909	282 076	Transistor KTC 1815 Y
Q 911	282 077	Transistor KTA 1015 Y
Q 912	282 076	Transistor KTC 1815 Y
bis		
Q 919	282 076	Transistor KTC 1815 Y
		LED-Platte
D 901	282 084	LED SLV 56 URC
D 906	275 455	LED SLR 54 GC
bis		
D 908	275 455	LED SLR 54 GC
D 910	275 455	LED SLR 54 GC
bis		
D 912	275 455	LED SLR 54 GC
RMC	289 424	IR-Sensor
Q 914	282 076	Transistor KTC 1815 Y
bis		
Q 920	282 076	Transistor KTC 1815 Y
		VOLUME-Platte
IC 203	288 707	IC KIA 75559 P
IC 901	287 489	IC TA 7291 S
Q 201	284 787	Transistor KTD 1302

Änderungen vorbehalten! Subject to change! Sous réserve de modification!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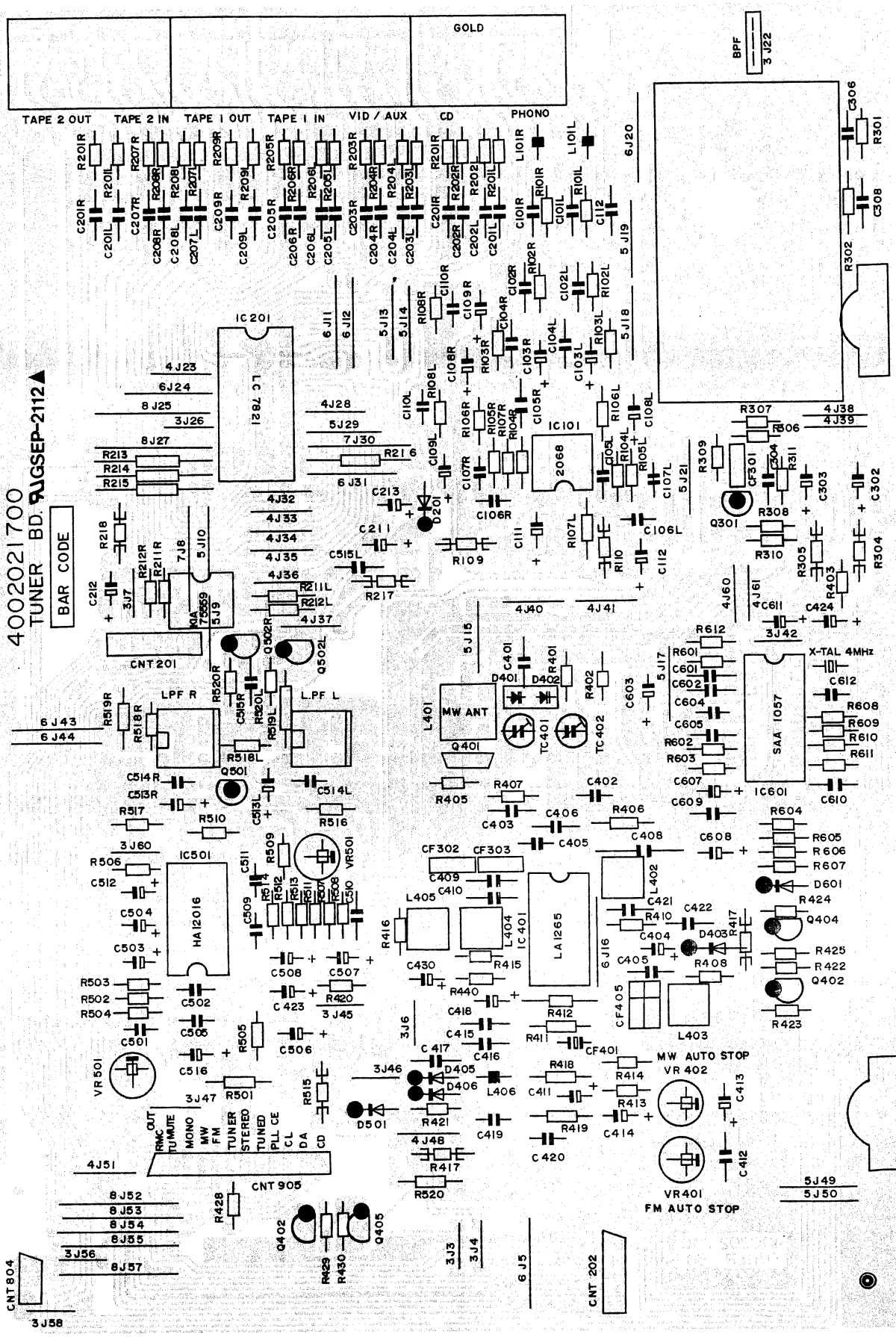
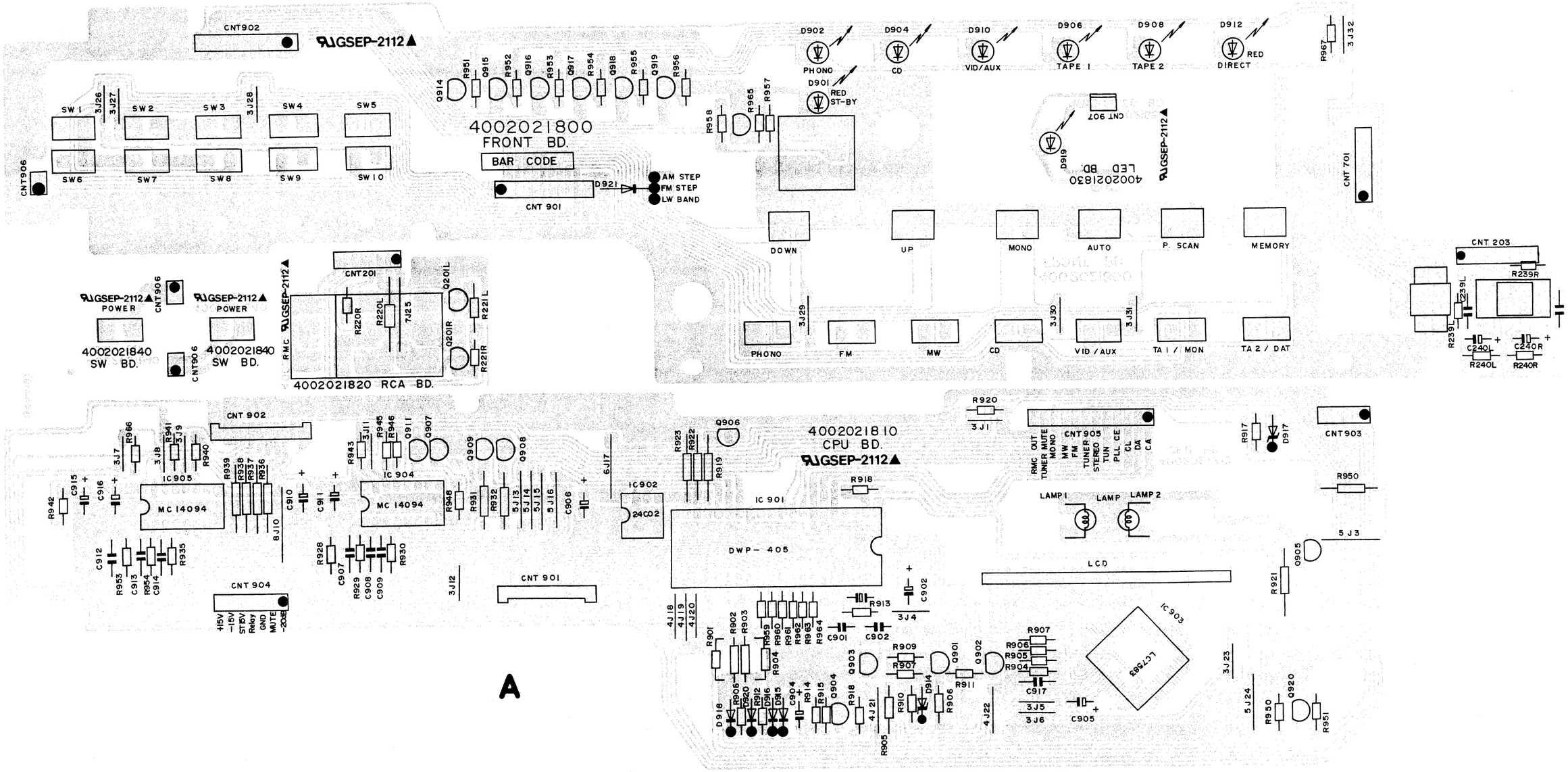
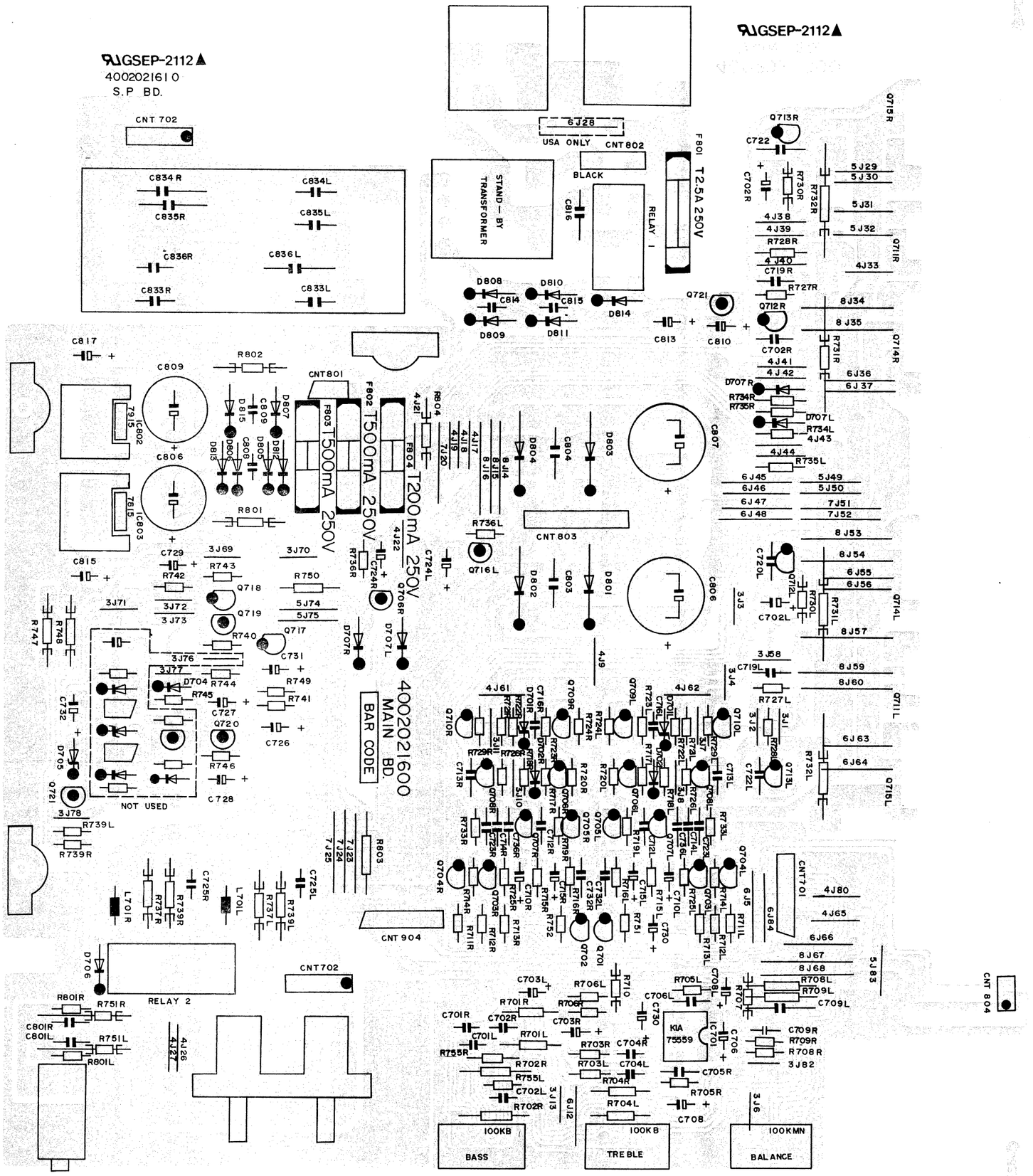

GOLD
TAPE 2 OUT
TAPE 2 IN
TAPE 1 OUT
TAPE 1 IN
VID / AUX
CD
PHONO
BPF
3 J22
40020217 00
TUNER BD. SUGSEP-2112
BAR CODE
IC 201
LC 7821
IC101
2068
IC501
HA12016
IC601
SAA 1057
IC401
LA1265
MW ANT
L401
Q401
LPF R
LPF L
CNT 201
CNT 905
CNT 804
CNT 202
X-TAL 4MHz
MW AUTO STOP
VR 402
VR401
FM AUTO STOP
TUNER
STEREO
TUNED
MONO
MW
FM
PLL CE
CL
DA
CD
RMC
TUMUTE
OUT


CNT902
RGSEP-2112▲
SW1
SW2
SW3
SW4
SW5
SW6
SW7
SW8
SW9
SW10
CNT906
3J26
3J27
3J28
Q914
R951
Q915
R952
Q916
R953
Q917
R954
Q918
R955
Q919
R956
4002021800
FRONT BD.
BAR CODE
CNT 901
D921
AM STEP
FM STEP
LW BAND
D902
PHONO
D904
CD
D910
VID/AUX
D906
TAPE 1
D908
TAPE 2
D912
DIRECT
D901
RED
ST-BY
R967
3J32
R958
R965
R957
CNT 907
D919
4002021830
LED BD.
CNT 701
DOWN
UP
MONO
AUTO
P. SCAN
MEMORY
PHONO
FM
MW
CD
VID / AUX
TA 1 / MON
TA 2 / DAT
3J29
3J30
3J31
CNT 203
R239R
R239L
C239L
C239R
C240L
C240R
R240L
R240R
RGSEP-2112▲
POWER
CNT906
4002021840
SW BD.
CNT201
R220R
R220L
7J25
Q201L
Q201R
R221L
R221R
RMC
4002021820 RCA BD.
CNT 902
CNT 904
+15V
-15V
STBY
Relay
GND
MUTE
-20dB
R966
3J7
R941
3J8
3J9
R940
IC 905
MC 14094
R939
R938
R937
R936
8J10
C915
C916
C910
C911
R942
C912
R953
C913
R954
C914
R935
IC 904
MC 14094
R945
3J11
R946
Q911
Q907
Q909
Q908
R948
R931
R932
5J13
5J14
5J15
5J16
C906
6J17
IC902
24C02
R928
C907
R929
C908
R930
C909
3J12
CNT 901
R920
3J1
CNT905
RMC OUT
TUNER MUTE
MONO
MW
FM
TUNER
STEREO
TUN
PLL CE
CL
DA
CA
R917
D917
CNT903
R950
5J3
Q905
R921
LAMP1
LAMP
LAMP2
LCD
4002021810
CPU BD.
RGSEP-2112▲
R918
IC 901
DWP- 405
R923
R922
R919
Q906
4J18
4J19
4J20
R901
R902
R903
R959
R960
R961
R962
R963
R964
R913
C901
C902
3J4
C902
R904
R909
R907
Q903
Q901
Q902
R911
R907
R906
R905
R904
C917
3J5
3J6
C905
IC 903
LC7583
3J23
5J24
R950
Q920
R951
D918
R908
R920
R912
D916
D915
C904
R914
R915
Q904
R918
4J21
R905
R910
D914
R906
4J22

A


AIGSEP-2112▲
400202161 0
S.P BD.
AIGSEP-2112▲
AIGSEP-2112▲
400202160 0
MAIN BD.
BAR CODE
CNT 702
CNT 802
CNT 801
CNT 803
CNT 804
CNT 904
CNT702
CNT701
6J28
USA ONLY
BLACK
STAND – BY TRANSFORMER
RELAY 1
RELAY 2
F801 T2.5A 250V
F802 T500mA 250V
F803 T500mA 250V
F804 T200mA 250V
C834R
C835R
C834L
C835L
C836R
C836L
C833R
C833L
C816
C817
C809
C806
C815
C729
C742
C743
C748
C731
C732
C727
C720
C728
C726
C721
C722
C702R
C719R
C712R
C702L
C719L
C720L
C702L
C727L
C713L
C722L
C713R
C708R
C708L
C714R
C714L
C736R
C736L
C723R
C723L
C712R
C712L
C707R
C707L
C710R
C710L
C715R
C715L
C716R
C716L
C730
C732R
C732L
C724R
C724L
C810
C813
C814
C815
C807
C804
C803
C802
C801
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C808
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C810
C811
C812
C813
C814
C815
C816
R802
R801
R803
R804
R736R
R736L
R737R
R737L
R738R
R738L
R739R
R739L
R740
R741
R742
R743
R744
R745
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R749
R750
R751R
R751L
R752
R801R
R801L
R730R
R730L
R731R
R731L
R732R
R732L
R733R
R733L
R734R
R734L
R735R
R735L
R727R
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R728R
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